



9700 Series Portable Oxygen Systems



The AVOX Systems 9700 Series Portable Oxygen System provides passengers and crew with constant flow oxygen that can be used to supplement fixed systems or as a substitute.

Available with up to 3 outlets, the unit is self-contained and easy to operate. Just open the valve, plug in the mask hose, don the mask, and breathe normally. Masks are not included with assembly.

The 9700 can be used with any permanent or disposable rebreather type mask. They are available with DOT approved 4.25 and 11 cubic foot cylinders.

Outstanding Features

- DOT 3AA1800 rated oxygen cylinders with 4.25 or 11.0 cubic foot capacities pressure oxygen cylinder
- DOT E 8162 composite cylinder available (11 cubic foot capacity)
- Up to 3 outlets available
- A relief valve protects the low-pressure system from over-pressurization
- Finger tip controlled on-off valve
- Pressure gauge indicating oxygen supply
- High-pressure relief device
- Sling-type carrying strap



AVOX Systems



SAE AS9100

Specifications					
Cylinder Capacity	Weight Charged	Dim. A	Dim. B	Dim. C	Dim. D
4.25 Cu. Ft. (120 Liters)	5.99 Lbs. (2.72 kg)	3-9/16" (9.05 cm)	12.98" (33 cm)	2-9/32" (5.79 cm)	2-1/2" (6.35 cm) (P/N 5009) 2-11/16" (6.83 cm) (P/N 5041)
11.0 Cu. Ft. (310 Liters)	8.81 Lbs. (4.00 kg)	3-9/16" (9.05 cm)	22.80" (57.6 cm)	2-9/32" (5.79 cm)	2-9/16" (6.83 cm) (P/N 5507) 2-1/4" (5.72 cm) (P/N 36728-01)
11.0 Cu. Ft. Composite (310 Liters)	5.42 Lbs. (2.46 kg)	3-9/16" (9.05 cm)	22.80" (57.6 cm)	2-9/32" (5.79 cm)	2.0" (5.08 cm) (P/N 802856-01) 2.22" (5.64 cm) (P/N 10008298)



28312 Series
28316 Series

Duration Time Average (Minutes)		
If Constant Flow Outlet Is Used @ 20,000 Ft. (6096 M)		
Model Number	(2 LPM) STPD Outlet	(4 LPM) STPD Outlet
9700 4.25 Cu. Ft. (120 Liters) NTPD	46	26
9700 11.0 Cu. Ft. (310 Liters) NTPD	120	66



28314 Series

ORDERING DATA 9700 is the basic model number. This chart illustrates the combinations that are available. To order, fill in the necessary dash numbers needed to indicate the complete part number. Note that the "Constant Flow Outlet" column will require two or three letters if two or three outlets are required. For further information regarding cylinders, outlets, masks, etc., see the appropriate catalog sheet.

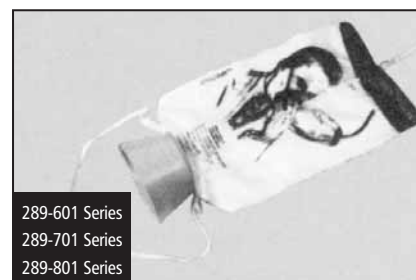
NUMBER 9700 - A 1 A-B 20 A											
A		1		A		B		20		A	
CYLINDER ASSEMBLY		CYLINDER FINISH		HARNESS		CONSTANT FLOW OUTLET SETTING AT 14.7 PSI AT 0°C		DESIRED OPERATING ALTITUDE		OUTLET STYLE	
LTR	CU. FT.	NO.	COLOR	LTR	PART NO.	LTR	FLOW- (LPM)	NO.	FEET (METERS)	LTR	PART NO. - TYPE
A	4.25	1	Wakefield	A	801660-00	B	2.0	0	0	A	5009-00 - "AN" CONSTANT FLOW OUTLETS
C	11.0		Green With	B	801658-00	F	4.0	10	10,000†	B	5041-00 - "ARO" CONSTANT FLOW OUTLETS
D**	4.25		Lettering			Y	Full	20	20,000	D	5507-00 - "PURITAN" CONSTANT FLOW OUTLETS
F**	11.0							23	23,000	N	36728-01 - EROS TYPE FULL FLOW
G***	11.0	2						25	25,000	K	6818-01 - PLUG
H****	11.0	2		X	Omit Harness					M	802856-01 - PURITAN BENNETT TYPE FULL FLOW
										S	10008298 - PERF. CORP 1A SERIES FULL FLOW



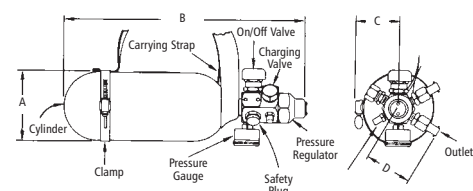
28301 Series

Cylinder designations D, F are used when three (3) outlets are required. *Cylinder designation G is a composite cylinder. ****Cylinder designation H is a composite cylinder and is used when three (3) outlets are required † 10 may only be used with cylinder assembly G&H.

Accessories	Part No.	Description
Duo-Seal® Mask	28312 Series	Natural rubber oral-nasal molded mask provides long duration comfort. Mask proved efficient up to 34,000 feet.
Duo-Seal® Mask with Flow Indicator & Microphone	28316 Series	Same as above with carbon microphone.
Sky Mask With Indicator	28314 Series	Soft rubber-like oral-nasal mask with Flow Indicator Assembly P/N 8540-00.
Disposable Mask	28301 Series	Inexpensive throw-away rebreather type mask.
Filler Coupling	5020-01	Filler coupling connects unit with standard source of oxygen for refilling.
Airline Passenger Masks	289-601 Series 289-701 Series 289-801 Series	Passenger masks for airline and executive aircraft.
Bracket Assembly	36758-11 Cradle 36758-12 Latch Lock	Lightweight assembly designed to secure portable oxygen systems.



289-601 Series
289-701 Series
289-801 Series



WARNING

IMPROPER USE OR IMPROPER MAINTENANCE OF THIS EQUIPMENT MAY RESULT IN SERIOUS PERSONAL INJURY OR DEATH.

THIS EQUIPMENT IS INTENDED TO BE USED ONLY FOR AVIATION APPLICATIONS AND IS TO BE USED ONLY BY, OR UNDER THE SUPERVISION OF, A PILOT OR CREW MEMBER TRAINED AND QUALIFIED IN ITS USE.

THIS EQUIPMENT IS TO BE SERVICED ONLY IN ACCORDANCE WITH APPLICABLE COMPONENT MAINTENANCE MANUAL AVAILABLE FROM AVOX SYSTEMS AND

ONLY BY SERVICE TECHNICIANS TRAINED IN THE INHERENT HAZARDS OF HIGH-PRESSURE AVIATION OXYGEN AND KNOWLEDGEABLE IN THIS EQUIPMENT. THE NAMES OF AUTHORIZED SERVICE CENTERS ARE AVAILABLE FROM AVOX SYSTEMS OR YOUR AUTHORIZED AVOX SYSTEMS DISTRIBUTOR.

THIS EQUIPMENT IS TO BE USED ONLY WITH AVIATOR'S BREATHING OXYGEN MEETING THE REQUIREMENTS OF MIL-PRF-27210.



AVOX Systems

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